

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 51 NOS. 1,2

CONTENTS

NOVEMBER 1997

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Publisher's Announcement

v

Guidelines for the submission of manuscripts

vii

Research reports

Differential regulation of genes encoding synaptic proteins by the Oct-2 transcription factor Z.C. Deans, S.J. Dawson, M.W. Kilimann, D. Wallace, M.C. Wilson and D.S. Latchman (UK, Germany, USA)	1
Huntington's disease gene product, huntingtin, associates with microtubules in vitro T. Takamoto, N. Nukina, K. Ide and I. Kanazawa (Japan)	8
Regulation of anterior pituitary galanin gene expression by thyroid hormone S.C. Hooi, J.I. Koenig, D.R. Abraczinskas and L.M. Kaplan (Singapore, USA)	15
Regional, developmental and interspecies expression of the four NMDAR2 subunits, examined using monoclonal antibodies D.J. Laurie, I. Bartke, R. Schoepfer, K. Naujoks and P.H. Seeburg (Germany)	23
Adenovirus-mediated gene transfer to cultured nodose sensory neurons S.S. Meyrelles, R.V. Sharma, C.A. Whiteis, B.L. Davidson and M.W. Chapleau (USA)	33
Limbic seizures induce neuropeptide and chromogranin mRNA expression in rat adrenal medulla K. Tsunashima, M. Woltersdorfer, C. Schwarzer, G. Sperk and R. Fischer-Colbrie (Austria)	42
Cloning, pharmacological characterization and distribution of a novel galanin receptor Z. Fathi, A.M. Cunningham, L.G. Iben, P.B. Battaglino, S.A. Ward, K.A. Nichol, K.A. Pine, J. Wang, M.E. Goldstein, T.P. Iismaa and I.A. Zimanyi (USA, Australia)	49
NGF content and expression in the rat pituitary gland and regulation by thyroid hormone L. Calzà, L. Giardino and L. Aloe (Italy)	60
Cloning and in situ hybridization analysis of the expression of polysialyltransferase mRNA in the developing and adult rat brain G.K. Wood, J.-J. Liang, G. Flores, S. Ahmad, R. Quirion and L.K. Srivastava (Canada)	69
Diabetes and axotomy-induced deficits in retrograde axonal transport of nerve growth factor correlate with decreased levels of p75 ^{L^{NTR}} protein in lumbar dorsal root ganglia J.-D. Delcroix, D.R. Tomlinson and P. Fernyhough (UK)	82
Developmental regulation of Na ⁺ /myo-inositol cotransporter gene expression W. Guo, S. Shimada, H. Tajiri, A. Yamauchi, T. Yamashita, S. Okada and M. Tohyama (Japan)	91
Dexamethasone regulates basic fibroblast growth factor, nerve growth factor and S100 β expression in cultured hippocampal astrocytes H. Niu, D.A. Hinkle and P.M. Wise (USA)	97
Regulation of [γ - ³ H]aminobutyric acid transport by Ca ²⁺ in isolated synaptic plasma membrane vesicles P.P. Gonçalves, A.P. Carvalho and M.G.P. Vale (Portugal)	106
Efficient coupling of 5-HT _{1A} receptors to the phospholipase C pathway in <i>Xenopus</i> oocytes Y.G. Ni, M.M. Panicker and R. Mileđi (USA)	115
Axon-target interactions maintain synaptic gene expression in retinæ transplanted to intracranial regions of the rat F. Hoover, M.H. Hankin, J.D. Radel, J.S. Reese and D. Goldman (USA)	123
Regions outside of the Bcl-2 homology domains, BH1 and BH2 protect a dopaminergic neuronal cell line from staurosporine-induced cell death Y.J. Oh, A. Uhland-Smith, J.-E. Kim and K.L. O'Malley (USA, Korea)	133
Down-regulation of voltage-dependent sodium channels coincides with a low expression of $\alpha\beta_1$ subunit complexes G. Alcaraz, B. Sampo, N. Tricaud, P. Giraud, M.-F. Martin-Eauclaire, F. Couraud and B. Dargent (France)	143
A protein kinase C-activating phorbol ester enhances transcription of the human DBH gene through a cyclic AMP response element in SK-N-BE(2)C cells J.-S. Kim, J.-S. Nam, H.-D. Chae and K.-T. Kim (South Korea)	154
The secretory epithelial cells of the choroid plexus employ a novel kinesin-related protein K.R. Rogers, M. Griffin and P.J. Brophy (UK)	161
Induction of interleukin-1 β -converting enzyme (ICE) in murine microglia by lipopolysaccharide J. Yao and R.W. Johnson (USA)	170
In vitro phosphorylation of acetylcholinesterase at non-consensus protein kinase A sites enhances the rate of acetylcholine hydrolysis M. Grifman, A. Arbel, D. Ginzberg, D. Glick, S. Elgavish, B. Shaanan and H. Soreq (Israel)	179

(contents continued on p. 244)



0169-328X(199711)51:1/2;1-G

BRAIN RESEARCH MOLECULAR BRAIN RESEARCH

VOL. 51 NOS. 1,2

CONTENTS

NOVEMBER 1997

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Publisher's Announcement

v

Guidelines for the submission of manuscripts

vii

Research reports

Differential regulation of genes encoding synaptic proteins by the Oct-2 transcription factor Z.C. Deans, S.J. Dawson, M.W. Kilimann, D. Wallace, M.C. Wilson and D.S. Latchman (UK, Germany, USA)	1
Huntington's disease gene product, huntingtin, associates with microtubules in vitro T. Takamoto, N. Nukina, K. Ide and I. Kanazawa (Japan)	8
Regulation of anterior pituitary galanin gene expression by thyroid hormone S.C. Hooi, J.I. Koenig, D.R. Abraczinskas and L.M. Kaplan (Singapore, USA)	15
Regional, developmental and interspecies expression of the four NMDAR2 subunits, examined using monoclonal antibodies D.J. Laurie, I. Bartke, R. Schoepfer, K. Naujoks and P.H. Seeburg (Germany)	23
Adenovirus-mediated gene transfer to cultured nodose sensory neurons S.S. Meyrelles, R.V. Sharma, C.A. Whiteis, B.L. Davidson and M.W. Chapleau (USA)	33
Limbic seizures induce neuropeptide and chromogranin mRNA expression in rat adrenal medulla K. Tsunashima, M. Woltersdorfer, C. Schwarzer, G. Sperk and R. Fischer-Colbrie (Austria)	42
Cloning, pharmacological characterization and distribution of a novel galanin receptor Z. Fathi, A.M. Cunningham, L.G. Iben, P.B. Battaglino, S.A. Ward, K.A. Nichol, K.A. Pine, J. Wang, M.E. Goldstein, T.P. Iismaa and I.A. Zimanyi (USA, Australia)	49
NGF content and expression in the rat pituitary gland and regulation by thyroid hormone L. Calzà, L. Giardino and L. Aloe (Italy)	60
Cloning and in situ hybridization analysis of the expression of polysialyltransferase mRNA in the developing and adult rat brain G.K. Wood, J.-J. Liang, G. Flores, S. Ahmad, R. Quirion and L.K. Srivastava (Canada)	69
Diabetes and axotomy-induced deficits in retrograde axonal transport of nerve growth factor correlate with decreased levels of p75 ^{L^{NTR}} protein in lumbar dorsal root ganglia J.-D. Delcroix, D.R. Tomlinson and P. Fernyhough (UK)	82
Developmental regulation of Na ⁺ /myo-inositol cotransporter gene expression W. Guo, S. Shimada, H. Tajiri, A. Yamauchi, T. Yamashita, S. Okada and M. Tohyama (Japan)	91
Dexamethasone regulates basic fibroblast growth factor, nerve growth factor and S100 β expression in cultured hippocampal astrocytes H. Niu, D.A. Hinkle and P.M. Wise (USA)	97
Regulation of [γ - ³ H]aminobutyric acid transport by Ca ²⁺ in isolated synaptic plasma membrane vesicles P.P. Gonçalves, A.P. Carvalho and M.G.P. Vale (Portugal)	106
Efficient coupling of 5-HT _{1A} receptors to the phospholipase C pathway in <i>Xenopus</i> oocytes Y.G. Ni, M.M. Panicker and R. Mileđi (USA)	115
Axon-target interactions maintain synaptic gene expression in retinæ transplanted to intracranial regions of the rat F. Hoover, M.H. Hankin, J.D. Radel, J.S. Reese and D. Goldman (USA)	123
Regions outside of the Bcl-2 homology domains, BH1 and BH2 protect a dopaminergic neuronal cell line from staurosporine-induced cell death Y.J. Oh, A. Uhland-Smith, J.-E. Kim and K.L. O'Malley (USA, Korea)	133
Down-regulation of voltage-dependent sodium channels coincides with a low expression of $\alpha\beta_1$ subunit complexes G. Alcaraz, B. Sampo, N. Tricaud, P. Giraud, M.-F. Martin-Eauclaire, F. Couraud and B. Dargent (France)	143
A protein kinase C-activating phorbol ester enhances transcription of the human DBH gene through a cyclic AMP response element in SK-N-BE(2)C cells J.-S. Kim, J.-S. Nam, H.-D. Chae and K.-T. Kim (South Korea)	154
The secretory epithelial cells of the choroid plexus employ a novel kinesin-related protein K.R. Rogers, M. Griffin and P.J. Brophy (UK)	161
Induction of interleukin-1 β -converting enzyme (ICE) in murine microglia by lipopolysaccharide J. Yao and R.W. Johnson (USA)	170
In vitro phosphorylation of acetylcholinesterase at non-consensus protein kinase A sites enhances the rate of acetylcholine hydrolysis M. Grifman, A. Arbel, D. Ginzberg, D. Glick, S. Elgavish, B. Shaanan and H. Soreq (Israel)	179

(contents continued on p. 244)



0169-328X(199711)51:1/2;1-G

(contents continued)

Differential expression of the AP-1/CRE-binding proteins FOS and CREB in preproenkephalin mRNA-expressing neurons of the rat parabrachial nucleus after nociceptive stimulation O. Hermanson and A. Blomqvist (Sweden)	188
Neuronal subtype-specific expression directed by the GABA _A receptor δ subunit gene promoter/upstream region in transgenic mice and in cultured cells B. Lüscher, R. Häuselmann, S. Leitgeb, T. Rüdlicke and J.-M. Fritschy (Switzerland)	197
Activation of the GABA _A -receptor δ -subunit gene promoter following pentylentetrazole-induced seizures in transgenic mice S. Penschuck, B. Lüscher, J.-M. Fritschy and F. Crestani (Switzerland)	212
Brain-derived neurotrophic factor stimulates phosphorylation of stathmin in cortical neurons J.-R. Cardinaux, P.J. Magistretti and J.-L. Martin (Switzerland)	220
Molecular cloning of a novel member of semaphorin family genes, semaphorin Z K. Kikuchi, H. Ishida and T. Kimura (Japan)	229
<i>Short communications</i>	
Mutation of a conserved fifth transmembrane domain lysine residue (Lys ²¹⁵) attenuates ligand binding in the angiotensin II type 2 receptor D.K. Yee, L.R. Kisley, J.N. Heerding and S.J. Fluharty (USA)	238
<i>Author Index</i>	242